

IN THE CLAIMS:

1. (Previously Presented) A heating apparatus having a heating member disposed while being fixedly supported, a moving member sliding relative to said heating member, and a pressure member brought into pressure contact with said heating member with said moving member interposed therebetween to thereby form a nip, wherein a material to be heated is introduced ~~into~~ between the moving member and the pressure member in said nip and is nipped and transported therebetween and is heated by heat from the heating member transmitted through the moving member, said heating apparatus comprising:

first temperature detecting means disposed in proximity to or in contact with said moving member;

second temperature detecting means for detecting a temperature of said heating member or an atmospheric temperature of said apparatus;

controlling means for controlling electric power supply to said heating member on the basis of a result of detection by said first temperature detecting means; and

judging means for judging on the basis of a result of detection by said second temperature detecting means whether electrical energization of said heating member should be effected before the start of movement driving of said moving member.

2. (Original) A heating apparatus according to Claim 1, wherein said second temperature detecting means is disposed in proximity to or in contact with said heating member, and detects the temperature of said heating member.

3. (Original) A heating apparatus according to Claim 2, further having third temperature detecting means disposed inside or outside said apparatus for detecting the atmospheric temperature of said apparatus, and wherein said judging means judges on the basis of the result of the detection by both of said second temperature detecting means and said third temperature detecting means whether the electrical energization of said heating member should be effected before the start of the movement driving of said moving member.

4. (Original) A heating apparatus according to Claim 1, wherein said second temperature detecting means is disposed inside or outside said apparatus, and detects the atmospheric temperature of said apparatus.

5. (Original) A heating apparatus according to Claim 1, wherein said first temperature detecting means is disposed in contact with said moving member.

6. (Original) A heating apparatus according to Claim 1, wherein said first temperature detecting means is disposed in contact with an inner surface of said moving member.

7. (Original) A heating apparatus according to Claim 1, wherein said second temperature detecting means is disposed in contact with said moving member.

8. (Original) A heating apparatus according to Claim 1, wherein said moving member is a fixing belt, and said material to be heated is a recording material bearing thereon an unfixed toner image to be heated and fixed.

9. (Original) An image forming apparatus comprising:  
image forming means for causing an unfixed toner image to be formed and borne on a recording material; and  
image heating and fixing means for permanently securing the unfixed toner image on the recording material, wherein said image heating and fixing means includes a heating apparatus according to Claim 1.

10. (Original) An image forming apparatus according to Claim 9, which is a color image forming apparatus for superimposing toner images of a plurality of colors one upon another to thereby form a color image.

11. (Original) A heating apparatus having a heating member disposed while being fixedly supported, a moving member sliding relative to said heating member, and a pressure member brought into pressure contact with said heating member with said moving member interposed therebetween to thereby form a nip, wherein a material to be heated is introduced into between the moving member and the pressure member in said nip and is nipped and transported therebetween and is heated by heat from the heating member transmitted through the moving member, said heating apparatus comprising:

a first temperature detecting element disposed in proximity to or in contact with said moving member;

a second temperature detecting element for detecting a temperature of said heating member or an atmospheric temperature of said apparatus;

a controlling portion for controlling electric power supply to said heating member on the basis of a result of detection by said first temperature detecting element; and

a judging portion for judging on the basis of a result of detection by said second temperature detecting element whether electrical energization of said heating member should be effected before the start of movement driving of said moving member.

12. (Original) A heating apparatus according to Claim 11, wherein said second temperature detecting element is disposed in proximity to or in contact with said heating member, and detects the temperature of said heating member.

13. (Original) A heating apparatus according to Claim 11, wherein said second temperature detecting element is disposed inside or outside said apparatus, and detects the atmospheric temperature of said apparatus.

14. (Original) A heating apparatus according to Claim 12, further comprising a third temperature detecting element disposed inside or outside said apparatus for detecting the atmospheric temperature of said apparatus, and wherein said judging portion judges on the basis of the result of the detection by both of said second temperature detecting element

and said third temperature detecting element whether the electrical energization of said heating member should be effected before the start of the movement driving of said moving member.

15. (Original) A heating apparatus according to Claim 11, wherein said first temperature detecting element is disposed in contact with said moving member.

16. (Original) A heating apparatus according to Claim 11, wherein said first temperature detecting element is disposed in contact with an inner surface of said moving member.

17. (Original) A heating apparatus according to Claim 11, wherein said second temperature detecting element is disposed in contact with said heating member.

18. (Original) A heating apparatus according to Claim 11, wherein said moving member is a fixing belt, and said material to be heated is a recording material bearing thereon an unfixed toner image to be heated and fixed.

19. (Original) An image forming apparatus having image forming means for causing an unfixed toner image to be formed and borne on a recording material, and image heating and fixing means for permanently securing the unfixed toner image on the recording material, said heating and fixing means being a heating apparatus according to Claim 11.

20. (Original) An image forming apparatus according to Claim 19, which is a color image forming apparatus for superimposing toner images of a plurality of colors one upon another to thereby form a color image.